SanDisk® Dash Cam
2 Channels Full HD

USER MANUAL

SDDCV-V7

SanDisk®

2Channel Full HD Dash Cam - SDDCV-V7

This User Instructions describe how to use the Dash Cam system. Before using the product, please read all the user instructions and the warranty for correct use.

Note

- After purchasing the product, please check the product, components and the warranty.
- The color printed in the user manual may differ from the actual color according to the printing conditions and surrounding lighting.
- The design and specifications of the product are subject to changes without prior notice for the improvement of performance and quality.

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1. Dash Cam Overview

1) Main Features of Product

This device is designed for real time video and audio recording of the front/rear side when the car is in motion or in a stationary state. The videos can be referred later on, in case of accident or impact.

Design of highly low-power consumption (4W of power consumption)
This product is designed to consume less than 4W of electricity in recording full HD to minimize the reduction of car battery life

Application of double super capacitor (For the protection of recording files)
In case of a sudden power cut-off, this super capacitor enables saving a file under and allows the product to end the system properly

Insulation from high/low temperature (Protection of video files)

Car/Truck auto detection function and protection of automotive battery
This product supports voltage setting function to protect battery
As the default value is "12V for a passenger car", you need to set up the battery protection voltage for your vehicle.
-For a light vehicle, it is required to set up the battery protection voltage to be 12.4V.
-In winter, it is recommended to set up the voltage as 12.4V.

De-Warping (Video distortion can be corrected)
This product stores images real-time which are the same as the reality by correcting distorted parts around boundaries with De-Warping function

30 frames for the front + 30 frames for the rear
This product records the front and rear videos by 30 frames, respectively so that it can provide you a very clear video image

Dedicated PC Viewer

Time correction and location indication by using the GPS (Only in case of a GPS unit is installed)

2) Product Specifications

Parked security mode

3D G-sensor auto detection

3.5" LCD touch screen

High Endurance Card

2-Channels Full HD

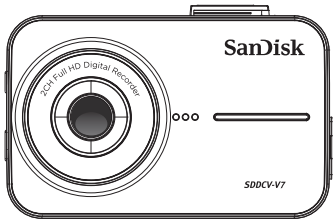
F2.0 lowlight conditions

Note

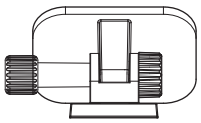
- The user Manual contain the description of the PC-dedicated Viewer and the Smartphone viewer.

1. Dash Cam Overview

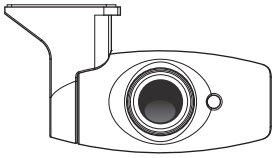
SDDCV-V7



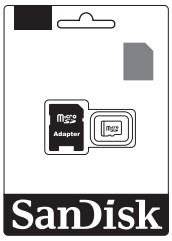
Front Camera



Front Camera Cradle

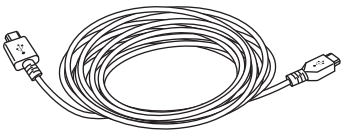


Rear Camera

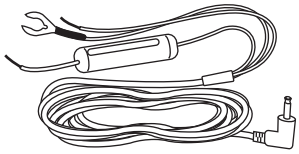


microSD™ card

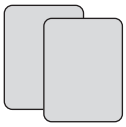
Quick Guide



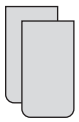
Front/Rear connection cable



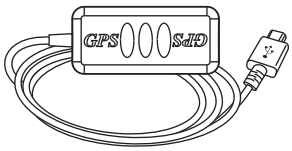
Power cable (3-lines)



Double-sided tape
for Front Camera (2ea)



Double-sided tape
for Rear Camera (2ea)
(1ea is pre-attached
to the cradle
for the rear camera)



External GPS (Optional)

Note

- This is subject to changes without prior notice at our discretion or for the improvement of product performance.
- Not to be used with tinted glass
- Make sure that the lens is within the wiping range of the windscreen wiper th ensure a clear view even when it rains.

⚠ Precautions When Using Product

This product is an assitive vehicle safety device that provides data to be referenced in the event of a vehicular incident with video and audio data recorded.
Depending on the operation environment, there can be situations where the device does not record; therefore, it is recommended that this User Manual be used as reference to check vehicle operation footage.

- Please throughly read through this User Manual to understand the proper and safe methods of operations before using the product.
- In the event of an accident or damage to vehicle, please remove microSD™ card from the device to preserve data. If the microSD™ card is continuously used after an event, there can be damage to the event footage due to new files being recorded and saved.
- For issues related to faulty usage or operation of this product, please contact customer service immediately to receive the appropriate service.
- Thank you for understanding that the contents stated in this User Manual can be changed without prior notice to improve the product.
- Depending on the print of this User Manual, the colors in the pictures and diagrams can appear to be slightly than the actual product.

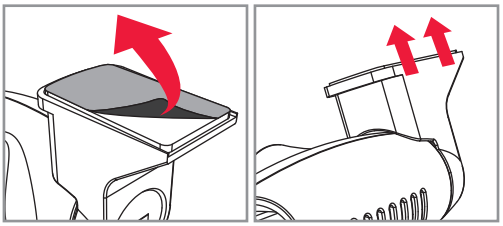
3) Product Detail Specifications

Item	Standard	Remark
Model name	SDDCV-V7	2 Channel Full HD Real time recording.
Size/Weight	Front Camera (W x D x H)	101.9 X 31.09 X 63.9mm/128g
	Rear Camera (W x D x H)	59.0 X 22.4 X 28.5mm/19.8g
	Whole Packing State	Including Rear Camera 480g
Memory	32GB: Max Recording time 320min 64GB: Max Recording time 640min	SanDisk Memory card: Warranty for 2 years
Recording type	Normal Recording	Continuously recording.
	Impact Recording	In the event of shock to the unit, 10 seconds previous + 20 seconds after of 50 seconds are recorded.
	User Recording	If the button is pressed, 10 seconds previous +20 seconds after or 50 seconds are recorded based on when the button is pressed.
	Motion Recording (Parking surveillance)	In the event of Motion, 10 seconds previous +20 seconds after or 50 seconds are recorded. (Only parking surveillance)
Sensor	Sony Exmor Full HD CMOS Image Sensor(High video quality)	Same specification applied to both front and rear camera.
Valid Pixel	1984(H) x 1105(V), 1080p	Same specification applied to both front and rear camera.
Resolution	Full HD 1920 x 1080 (1080p, H.264, Extension mp4)	Same specification applied to both front and rear camera.
Lens	All Glass F2.0 Full HD Lens	High quality lens for Enhancement in low light condition.
Frame	30fps	Same specification applied to both front and rear camera.
Angle of view	Front : 141°(D) / 116°(H) / 61°(V) Rear : 120°(D) / 99°(H) / 52°(V)	Wide view angle for Front/Rear camera
Display panel	1/3.5" LCD (480 x 272)	
Audio	AAC (Advanced Audio Coding)	Speaker, Embed Mic
GPS	GPS socket	External type, Option
Power Input	DC 12/24V support	
Acceleration sensor	Triaxis acceleration sensor	
Rear camera	V-IN socket	Micro USB Port
Power auxiliary device	Super capacitor	
LED	Front side : Security LED Rear side : PWR/REC/Mic LED (3EA)	
Operating temperature	-10 ~ 60 ℃	

⚠ Note

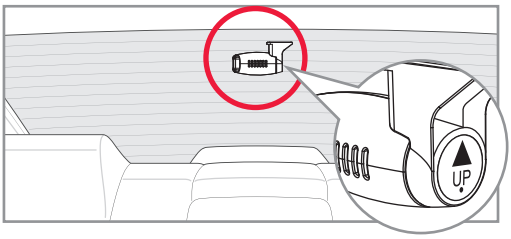
1. In parking surveillance, a video may pause or break intermittently, according to the surrounding conditions.
2. The microSD™ card is of the dedicated high-endurance SanDisk card, designed for thousands of hours of continuous capturing. We shall not warrant our product's normal functioning, if any other microSD™ card is used.
3. To check on the video files on a frequent basis, to check on the consistency.
4. In parking surveillance, the recording only occurs only when motion or impact is detected, the duration of recording may differ according to the parking conditions.
5. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

4) Product Assembly

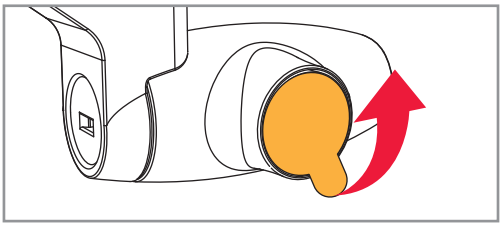


1. Hide the cable connecting camera between front and rear camera into the top of the vehicle.

2. After removing the film of the double-sided tape on the cradle of the rear camera, attach the camera on the surface of the rear window.

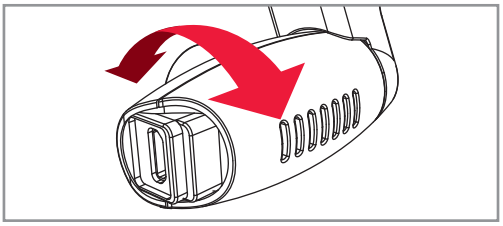


Clean any dirt off the window surface before attachment.
Adhesion will be reduced if you attach the cradle again after removal.
Be careful for the rear window defroster not to be in contact with the cradle.

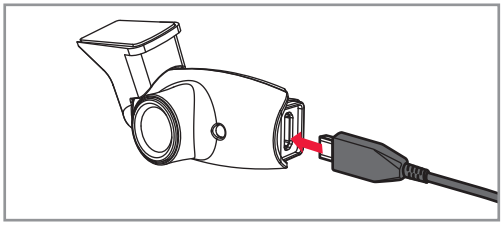


3. Remove the film on the lens of the rear camera.

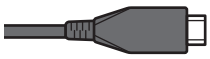
Be careful not to leave dirt of fingerprint on the lens when removing the protection film.



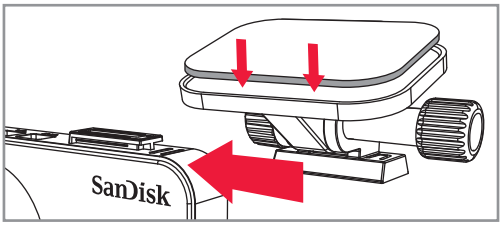
4. Adjust the rear camera at a proper angle.



5. Insert the front/rear camera connection cable to the rear camera.

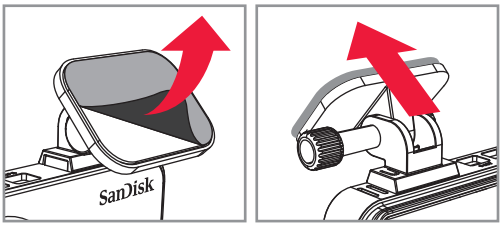


Rear Camera Connection



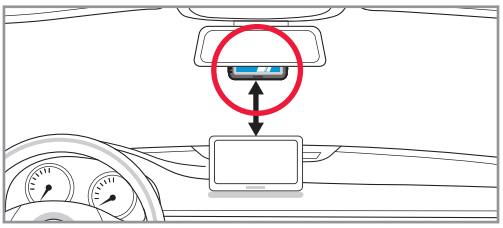
6. Attach the double-sided tape to the cradle.

7. Assemble the cradle to be properly fit to the connection part of the front camera.

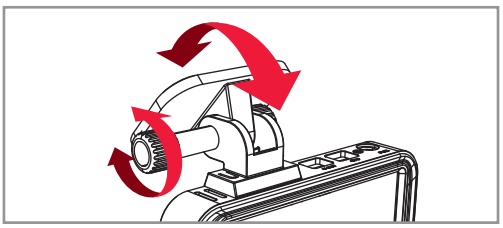


8. After moving the film of the double-sided tape attached to the cradle, attach the cradle on the window surface at which can be easily done.

Attach the cradle at a place you can easily operate the buttons.
Clean any dirt off the window surface before attachment.
Adhesion will be reduced if you attach the cradle again after removal.

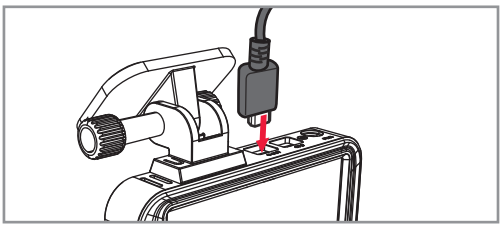


Please set the Dash Cam at least a hand span or 20cm away from the navigation.

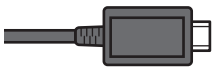


9. After adjusting the front camera at a proper angle, fasten the screws of the cradle.

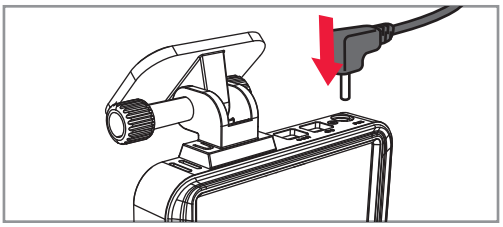
In case of installing the product on the edge of a window, not its center, the length of a power cable will be shorter. It can be a problem with connection.



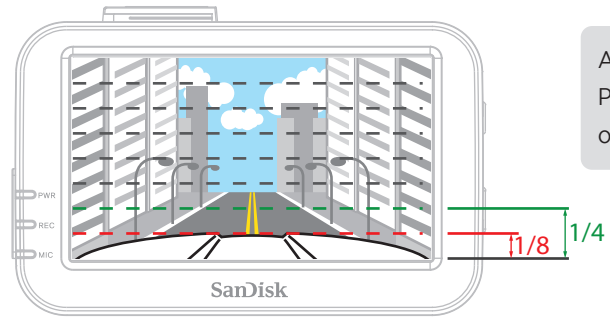
10. Insert the front/rear camera connection cable to the front camera.



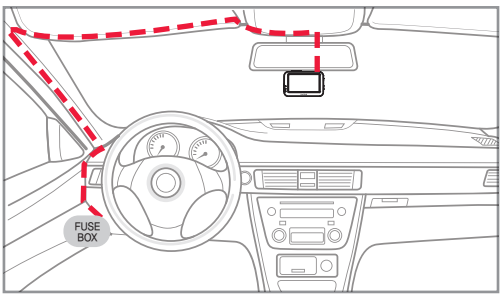
Front Camera Connection



11. Connect the power cable to the front camera.



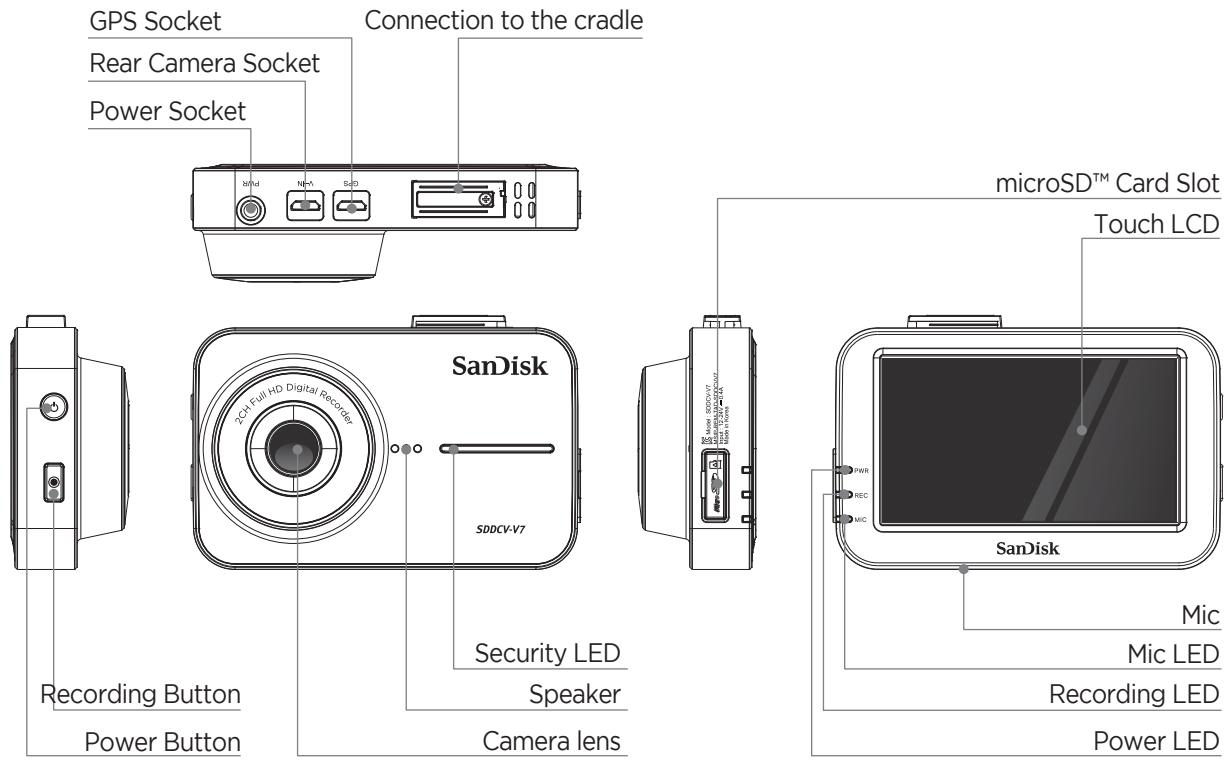
Adjust the camera as much as 1/8~1/4 of the bonnet can be seen. Please use the Dash Cam after remove the protective film of the LCD screen.



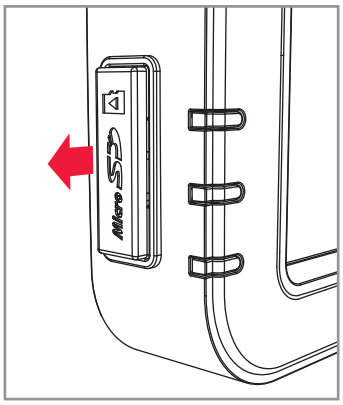
Note

- As the conditions of a window may affect the video quality, keep the window clean.

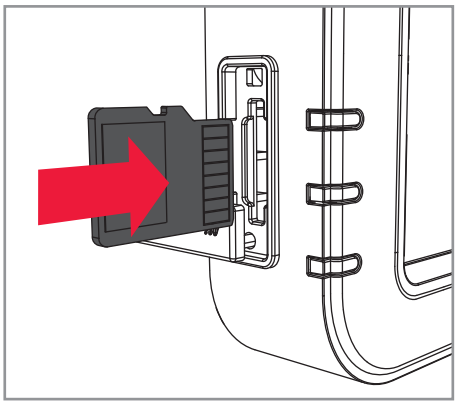
1) NAME



2) Insert the microSD™ card

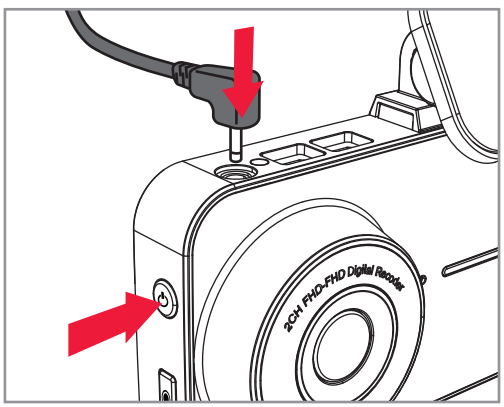


1. Open the microSD™ card cover.



2. Insert the microSD™ card as shown in the picture.

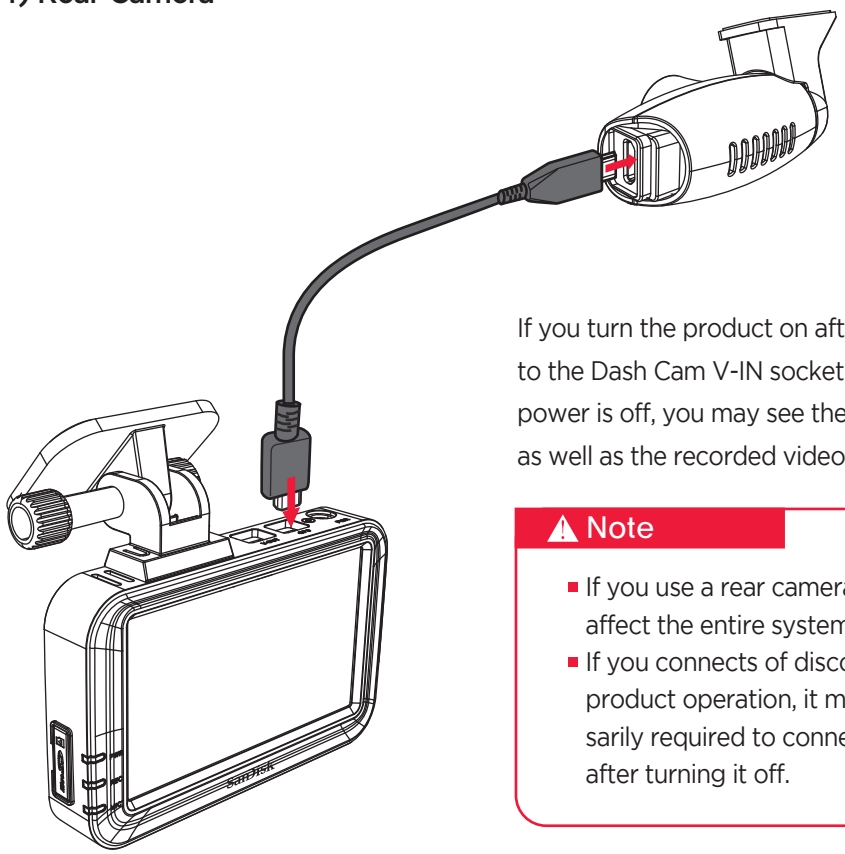
3) Power ON/OFF



Connect the 3-pole jack to a power supply.
If starting the vehicle, the voice information system starts and the LED turns on.

You can turn the product ON/OFF by pressing the power button (⏻) for more than 3 seconds.
Turn Off : Press it for more than three seconds
Turn On : Press it once (No time limit)

4) Rear Camera

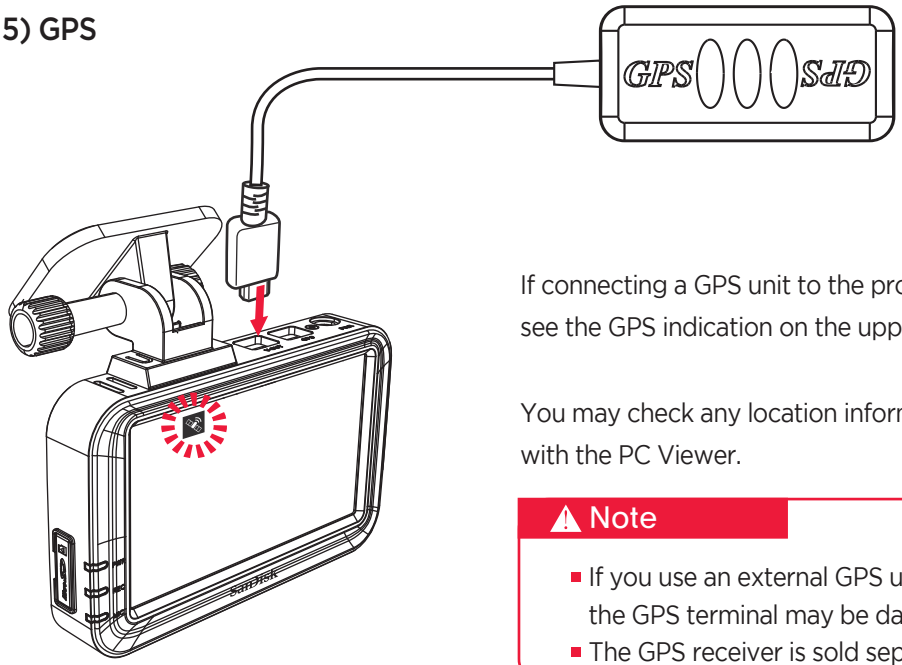


If you turn the product on after connecting the rear camera socket to the Dash Cam V-IN socket to record the rear side on video when power is off, you may see the video image on the PIP screen of LCD as well as the recorded video of the rear camera after you turn it on.

⚠ Note

- If you use a rear camera that we don't provide, it may affect the entire system of the Dash Cam.
- If you connects of disconnects the rear camera during product operation, it may cause a trouble. It is necessarily required to connect/disconnect the rear camera after turning it off.

5) GPS



If connecting a GPS unit to the product, you can hear buzzer and see the GPS indication on the upper left side to be activated.

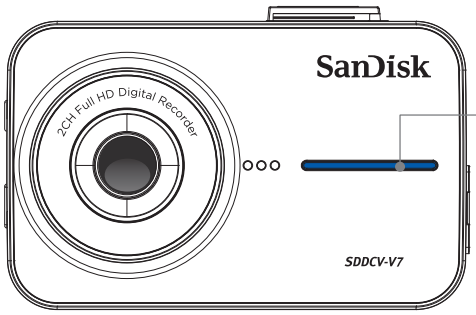
You may check any location information identified with the GPS with the PC Viewer.

⚠ Note

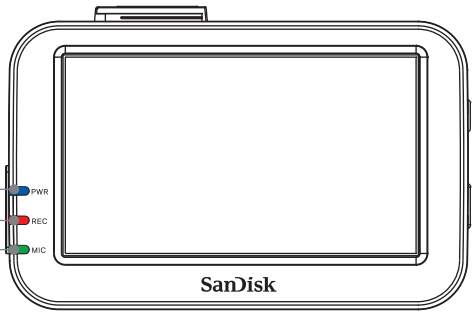
- If you use an external GPS unit that we don't provide, the GPS terminal may be damaged.
- The GPS receiver is sold separately.

6) LED

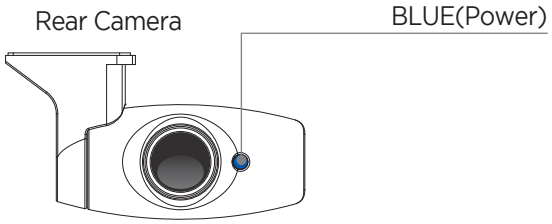
Front Camera - Front Side



Front Camera - Rear Side



Rear Camera



Camera	Position	Name	Color	Shape
Front Camera	Front	Security LED	BLUE	
	Rear	Recording LED	RED	
		Mic LED	GREEN	
		Power LED	BLUE	
Rear Camera	Front	Power LED	BLUE	

Operation Mode	Operation status LED
Power	Lighting of the Power LED
Firmware Upgrade	Recording, Mic LEDs will switch on and off twice every second.
Normal Recording	Recording, Security LEDs will switch on and off once every two seconds.
Impact/Motion/User Recording	Recording, Security LED will switch on and off once every second.
Microphone Recording	Lighting of the Mic LED
Parking surveillance	Security LED will switch on and off once every two seconds.

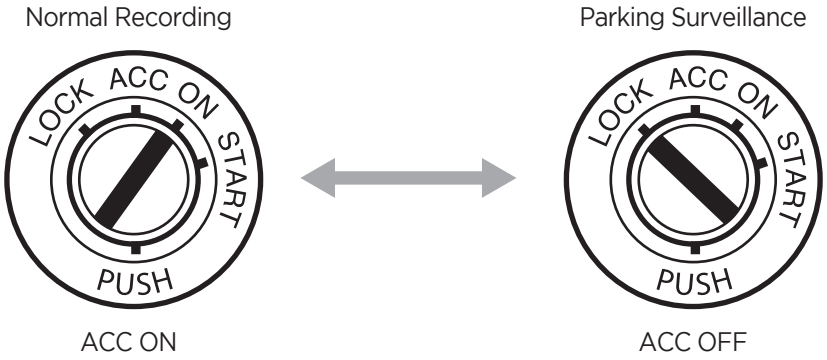
*Rear Power LED will switch on and off once every two seconds, regardless of the operation mode.

7) Audio Guide

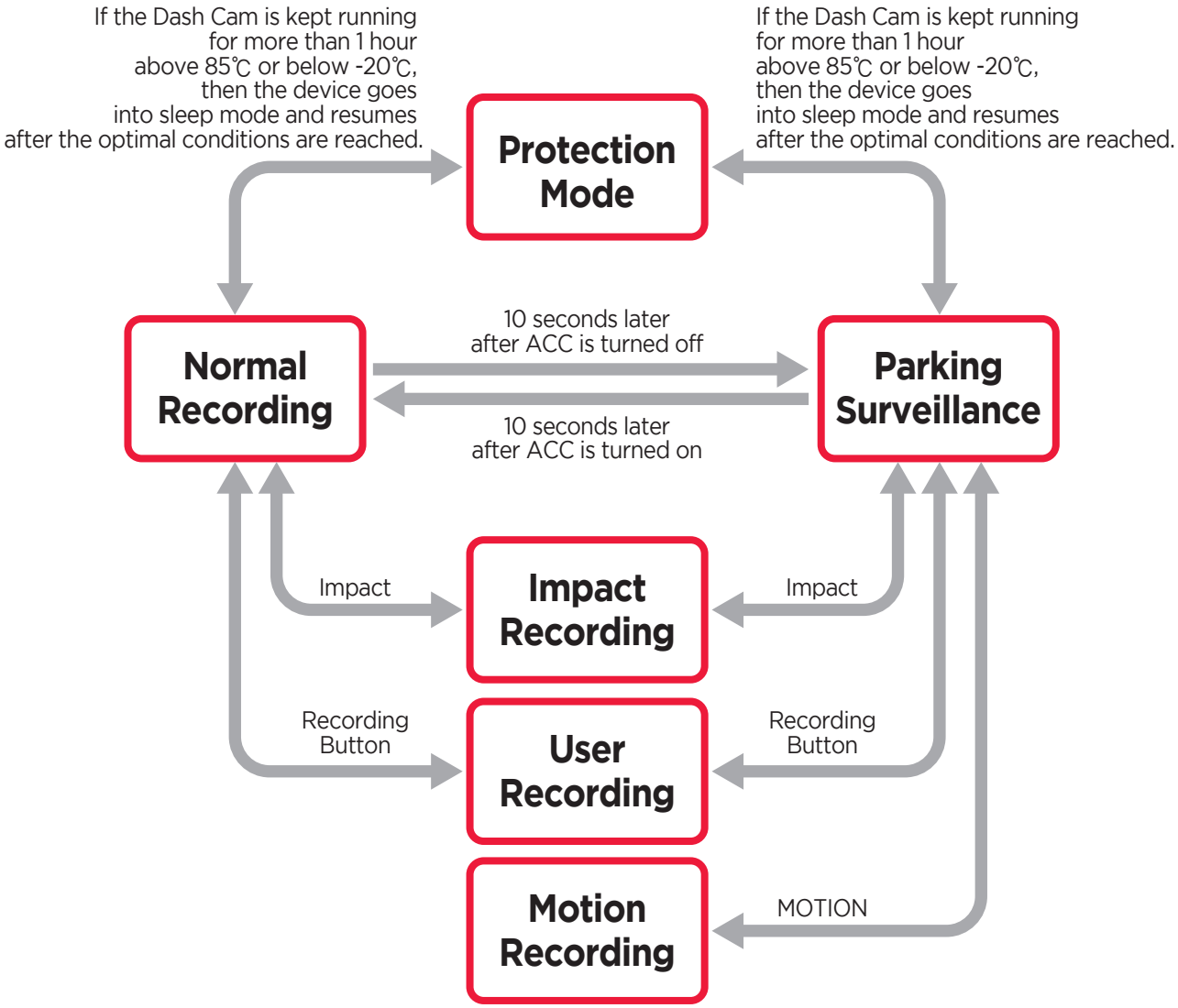
Content	Operation Status	Audio Guide
Firmware Upgrade	Start to firmware upgrade	Start firmware upgrade. Do not turn off the power.
	Firmware Upgrade has been completed.	Completed. Please wait.
Normal Recording	Access to Normal Recording mode	Recording starts.
Event Recording	When there is user input during Event Recording	Envent recording is wroking now.
Motion / Impact / User Recording	Motion / Impact / User recording will start	Beep sound
Parking surveillance	Access to Parking surveillance	Starting to Parking surveillance.
Including Audio Recording	Power ON Mic	Audio recording is turned on.
Excluding Audio Recording	Power OFF Mic	Audio recording is turned off.
LCD Protection Mode	When there is user input	LCD Protection Mode.
Reset time	When the time of the Dash Cam is reset	Please check the time settings.
microSD™ card	Format	Initializing the memory card.
	Removed during operation	Bell sound
	When there is no microSD™ card or if a faulty microSD™ card has been inserted.	Please check the memory card in the slot.
GPS(Optional)	Connect to GPS after reboot	Bell sound
Power	When the power is switeched off	Bell sound

8) Normal Recording/Parking Surveillance

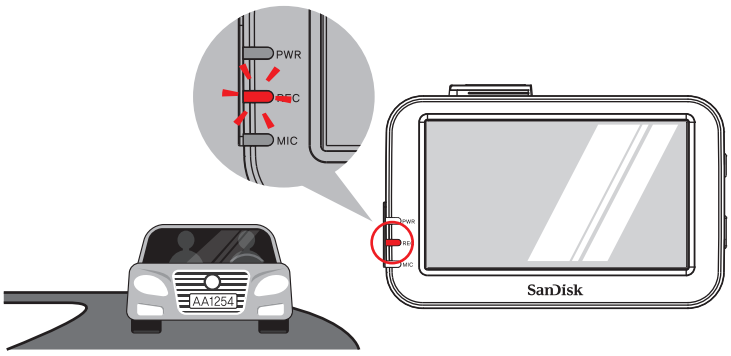
If both ACC and B+ of a vehicle are on, the Dash Cam will operate its general recording mode.
If ACC is off and B+ is on, Dash Cam will be converted to the parking surveillance mode after 10 seconds.
Please refer to 9) Switch of Recording Mode for details.



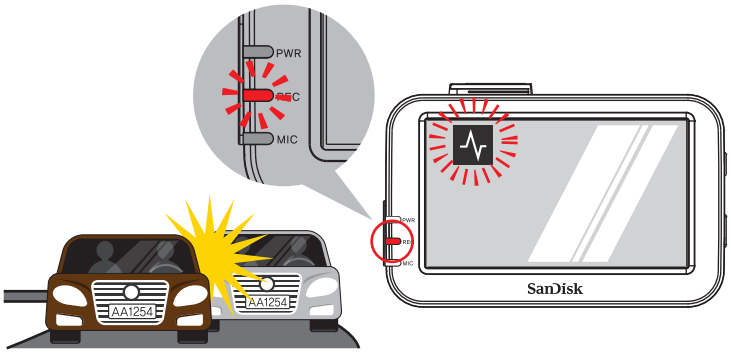
9) Switch of Recording Mode


If the Dash Cam is kept running for more than 1 hour above 85℃ or below -20℃, then the device goes into sleep mode and resumes after the optimal conditions are reached.
If the Dash Cam is kept running for more than 1 hour above 85℃ or below -20℃, then the device goes into sleep mode and resumes after the optimal conditions are reached.
Protection Mode
Normal Recording
10 seconds later after ACC is turned off
10 seconds later after ACC is turned on
Parking Surveillance
Impact
Impact Recording
Impact
Recording Button
User Recording
Recording Button
Motion Recording
MOTION

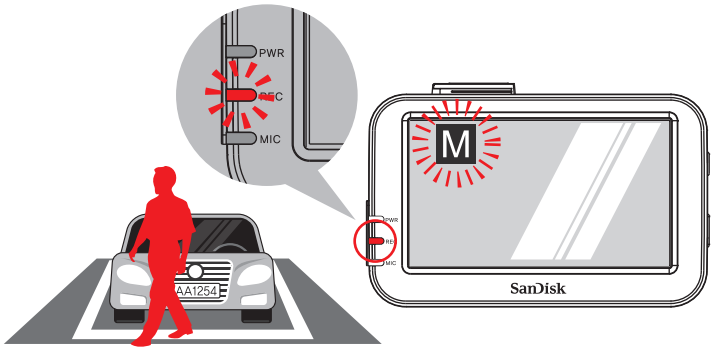
10) Recording Status



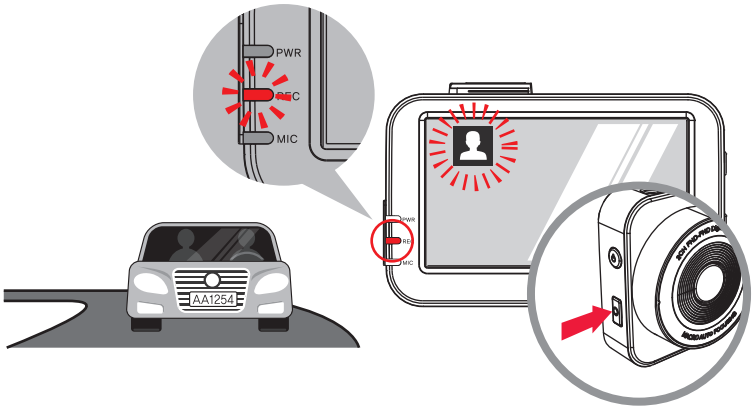
Normal Recording
- The system stores the video footage recorded during drive in the Normal folder every minute.
- During recording, the LED(Red) switch on and off once every two seconds.



Impact Recording
- If impact occurs during drive or parking, the indication of Impact recording will be activated on the upper left side of the LCD.
- 20/50 seconds of video footage after 10 seconds before an impact will be stored in the Event folder.
- During recording, the LED switch on and off once every second.
- Buzzer beeping.



Motion Recording
- If any motion is detected around during parking, the indication of motion recording will activated on the upper left side of the LCD.
- 20/50 seconds of video footage after 10 seconds before motion recording will be stored in Motion folder.
- During recording, the LED switch on and off once every second.
- Buzzer beeping.



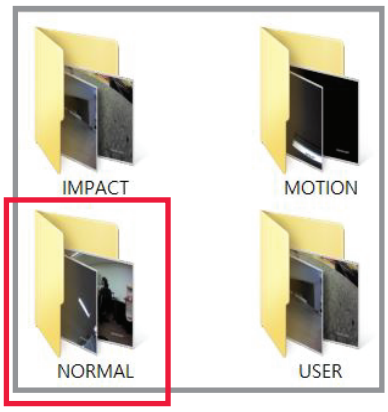
User Recording
- If pressing the user recording button during drive or parking, the indication of user recording will be activated on the upper left side of the LCD.
- 20/50 seconds of video footage after 10 seconds before User recording will be stored in Event Folder. (to be selected at PC Viewer)
- During recording, the LED switch on and off once every second.
- Buzzer beeping.

⚠ Note

- If the microSD™ card is out of space, the system deletes the oldest video footage and saves a new one.
- Please back up your important videos in another storage device.

11) Recording file

Recording file is saved in each folder.
Recording file name is made from recording start time.



000001_20150603152435_F_normal.MP4

YEAR DAY MIN Front Camera Record
MONTH HOUR SEC

000001_20150603152435_R_normal.MP4

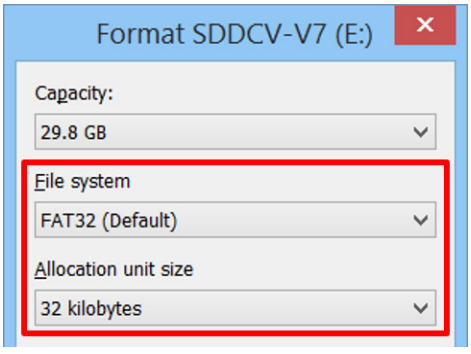
YEAR DAY MIN Rear Camera Record
MONTH HOUR SEC

095_20150603151658_F_N.MP4
095_20150603151658_R_N.MP4
095_20150603152232_F_N.MP4
095_20150603152232_R_N.MP4
095_20150603152435_F_N.MP4
095_20150603152435_(_N.MP4
095_20150603173827_F_N.MP4
095_20150603173827_F_N.MP4

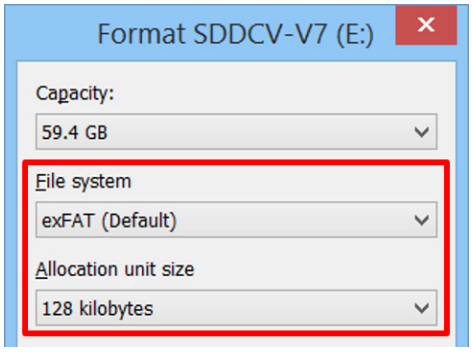
Note

- Please separate the microSD™ card after Dash Cam has been terminated completely.
- Please do not save the user data (doc, video, music file etc) in the microSD™ card. Saved recording video can be deleted or Dash Cam malfunction can happen.
- Please be cautious with changing recording allocation settings because the system will reboot after deleting all existing video files.
- For microSD™ cards with less than 32GB capacity, it must be formatted to FAT32, 32KB in order to be able to save video recordings.
- For microSD™ cards with 64GB capacity, it must be formatted to exFAT, 128KB in order to be able to save video recordings.

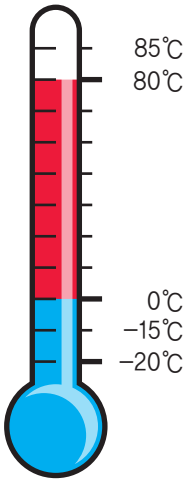
microSD™ cards with less than 32GB capacity



microSD™ cards with 64GB capacity



12) Self-protection Mode



Once in self-protection mode, recording does not work.

When the temperature of the Dash Cam goes over 85℃ for more than one hour, the Dash Cam enters self-protection mode.

When the temperature of the Dash Cam drops to 80℃ and below for 5 seconds, normal recording starts.

When the temperature of the Dash Cam drops below -20℃ for more than one hour, the Dash Cam enters self-protection mode.

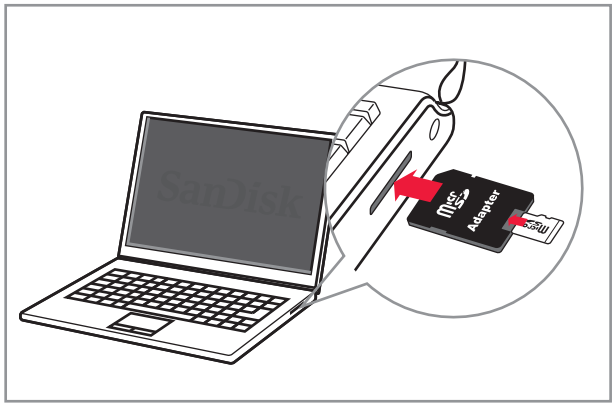
When the temperature of the Dash Cam rises to over -15℃ for 5seconds, normal recording starts.

13) LCD Protection Mode

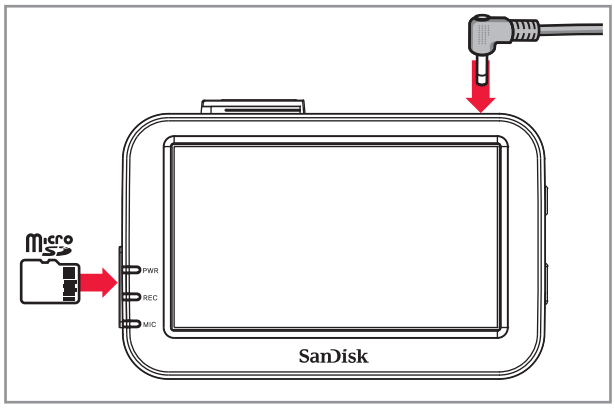
If the temperature of the Dash Cam unit exceeds 70°C or drops below -15°C the unit switches to 'LCD Protection Mode' to protect the LCD. The LCD Protection Mode is automatically toggled OFF once the temperature of the Dash Cam unit drops back to below 65°C and above -10°C. When the LCD is touched while in LCD Protection Mode, the LCD does not turn ON and sounds the audio alert 'LCD Protection Mode.'

14) Firmware Upgrade

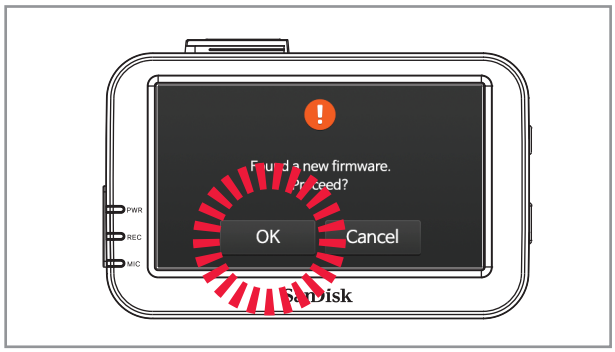
Download the upgrade file from our website www.sandisk.co.kr/dashcam



1. Upgrade microSD™ card of Dash Cam through PC. Save the upgraded file in the microSD™ card.



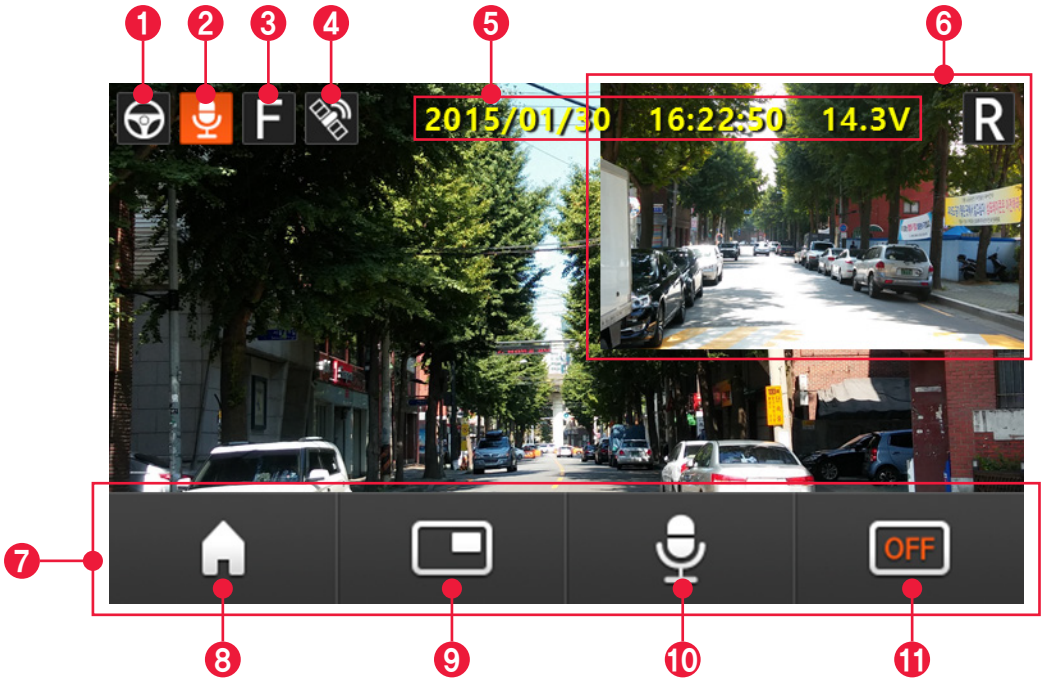
2. Turn on the power after inserting microSD™ card into the Dash Cam.



3. When the power is provided, Dash Cam checks if there exist firmware upgrade file in the microSD™ card.

4. If you touch the OK button, upgrade will be started.

1) Live Screen



① REC Status

Normal Impact Motion User

② Status of Voice recording

Mic ON Mic OFF

③ Front/Rear Channel

Ch. ON Ch. OFF

④ Status of GPS : Marked when connected at GPS

GPS ON GPS OFF

⑤ OSD : Recording Date, Vehicle Voltage

⑥ Default Playback for Rear Camera.
Front/Rear camera toggle when touched.

⑦ Menu Bar : Vitalize when touched on LCD screen.
Disappeared menu bar after 7 seconds if not touched.

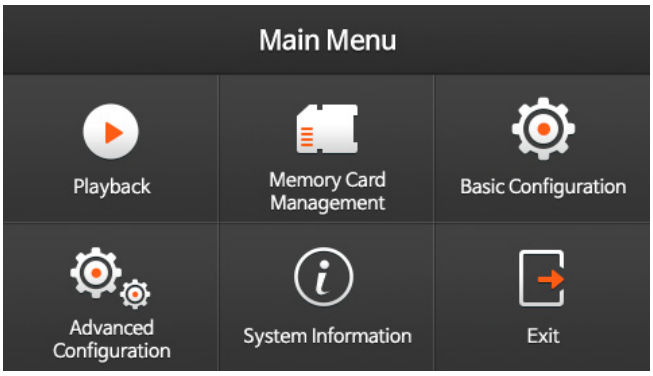
⑧ Main menu button

⑨ PIP ON/OFF button

⑩ Mic ON/OFF button

⑪ LCD OFF button

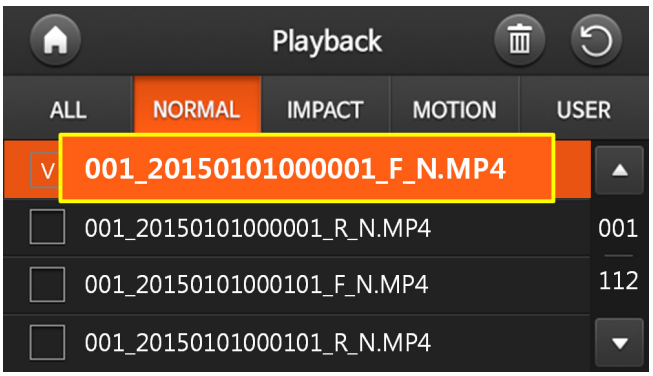
2) Main Menu



The following 6 menus can be accessed from the main menu.

1. Playback
2. Memory Card Management
3. Basic Configuration
4. Advanced Configuration
5. System Information
6. Exit

3) Video Playback



The saved video list can be viewed by video type. if you click on a video file in the video list, the video will be displayed and the recorded file can be viewed.

⚠ Note

- As recording stops when entering the main menu, please keep live screen when you need to record.

Video Playback Screen

① Front/Rear Channel Mark

② Playback Progress Bar

③ Back to the file list

④ Backward Playback

⑤ Play/Pause

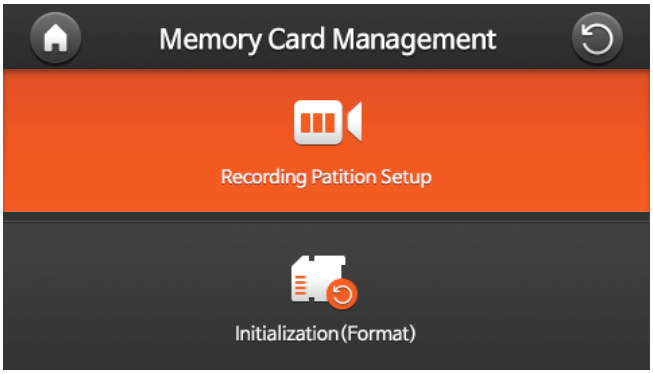
⑥ Forward Playback

⑦ Front/Rear Channel Toggle

We offer two application and for step by step detail on each.
Please visit our website: www.sandisk.co.kr/dash-cam

1. PC Viewer : PC application to check the recording video
2. Mobile Viewer(only for Androids) : Mobile application to check the recording video

4) Memory Card Management



Recording Partition Setup
Assign the storage capacity according to the settings as belows.
Normal
Motion + Impact
Normal + Impact

Recording Partition Setup

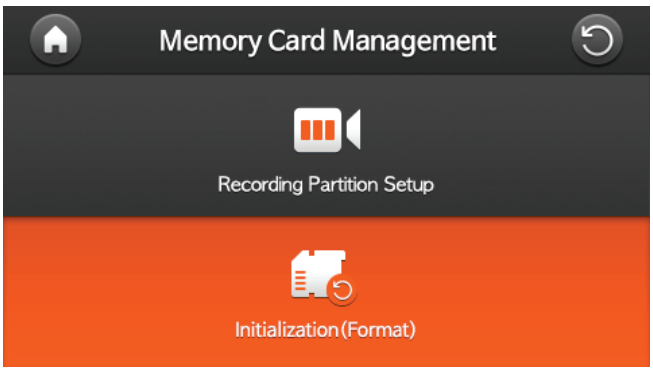
In recording partition setup, you can assign storage capacity of microSD™ card as the value you desire.

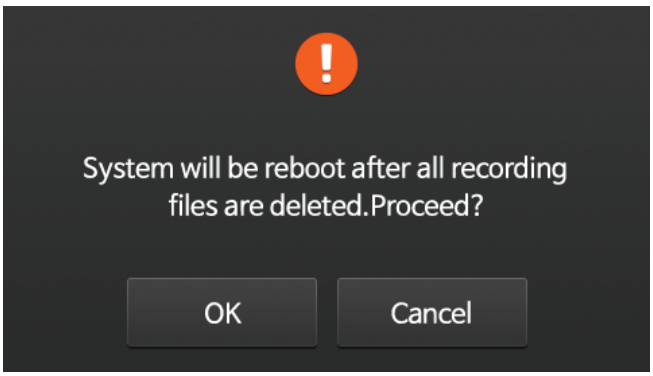
Distribution rates are as the table below.

Value	Normal	Impact	Motion	User
Normal-centered	65%	15%	15%	5%
Motion, Normal-centered	45%	25%	25%	5%
Normal, Impact-centered	45%	35%	15%	5%

⚠ Note

- Please take caution when modifying recording partition setup since all the recording files will be deleted and the system will be rebooted.

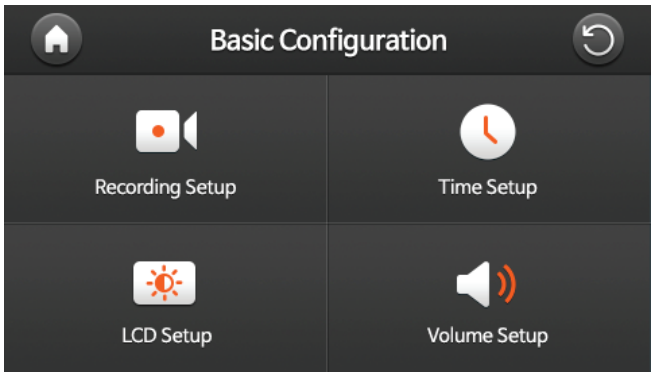


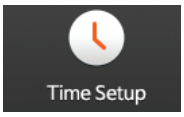


Initialization(Format)

If you select the Initialization(Format), all recording files in the microSD™ card will be deleted.

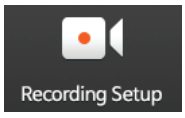
5) Basic Configuration



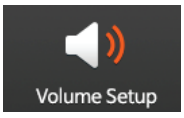


Time Setup
Date and time are changeable and standard time can be set for each country.

LCD Setup
You can set brightness of LCD and automatic turn-off time.

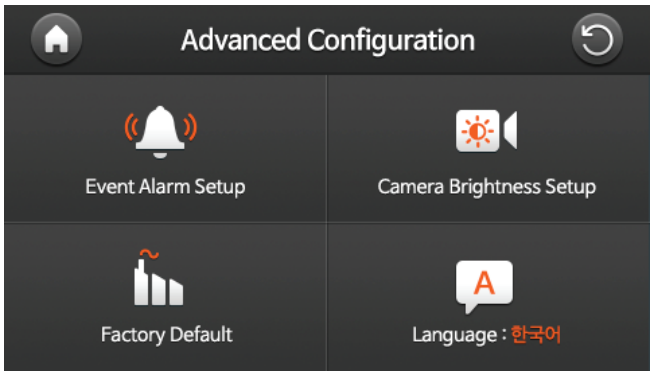


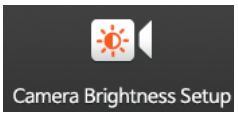
Recording Setup
You can set image quality, impact, and motion sensitivity and also set recording mode and duration of recording when the car is parked as well as battery protection function.



Volume Setup
Setting the Volume on the device

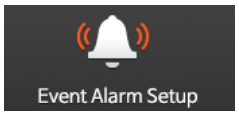
6) Advanced Configuration



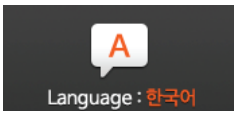


Camera Brightness Setup
You can set the brightness of front and rear camera.

Factory Default
All settings will be initialized to the default values.



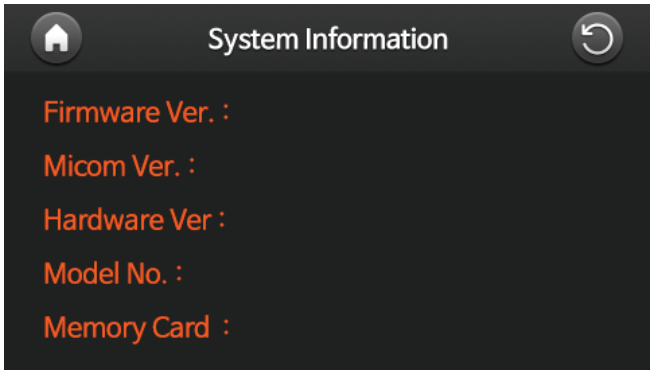
Event Alarm Setup
You can set the event alarm of parking surveillance.



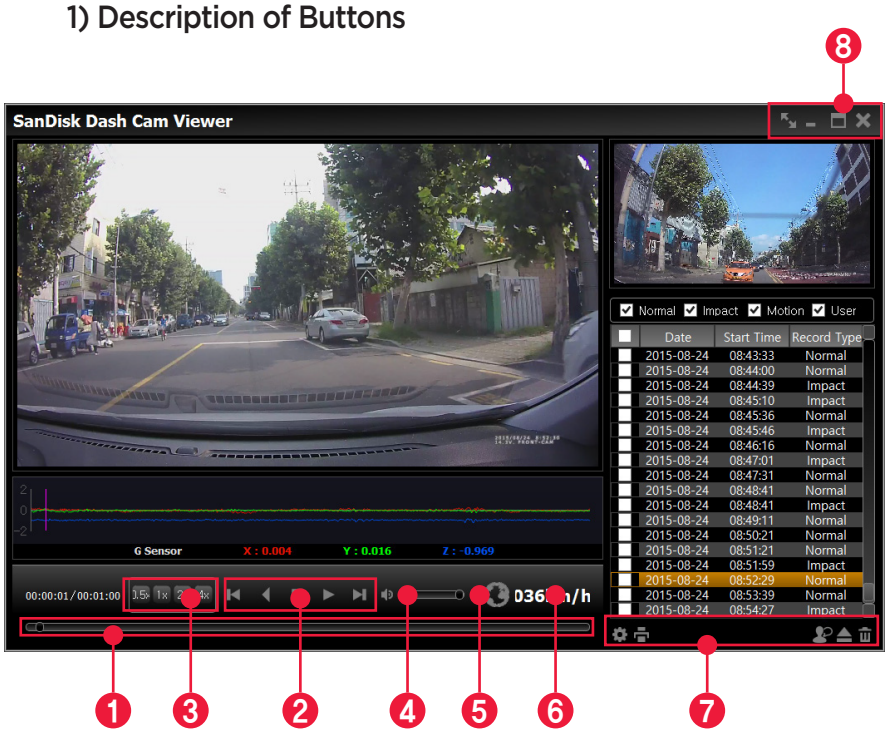
Language
Setting language

7) System Information

It provides information on Dash Cam version, model name and microSD™ card capacity.



1) Description of Buttons



① Playback Progress Bar

② Playback Buttons

- Stop
- Pause
- Revers Playback (Backward Playback)
- Forward Playback
- Move to Previous Frame (Backward by 1 sec)
- Move to Next Frame

③ Video Playback Speed

④ Adjustment of PC Viewer's Sound Volume

⑤ Open GPS Information Window

⑥ Speed

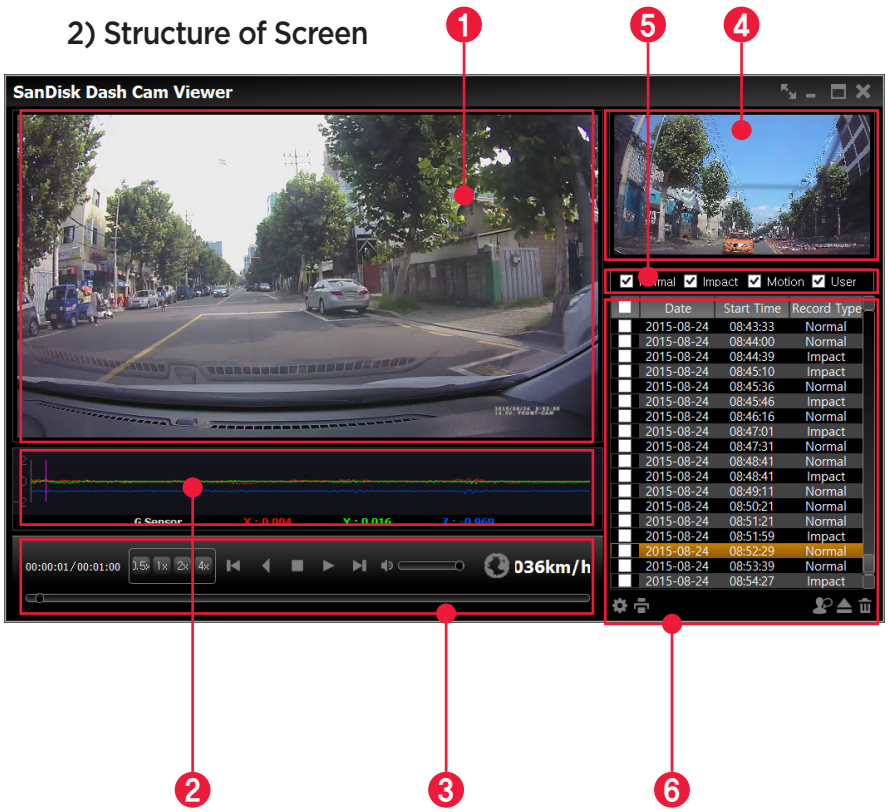
⑦ Other Function Buttons

- Settings
- Printout
- Change the Language(Korean or English)
- Open File
- Delete Selected File

⑧ Change of Screen Mode Buttons

- Full Screen
- Minimize
- Maximize
- End

2) Structure of Screen



① Front/Rear Video Playback Segment

② Motion Information Segment (Shock Sensor, Speed)

③ Play Time/Total Time

④ Front/Rear Image Playback Segment

⑤ View of Recording List

- View of Normal Recording
- View of Impact Recording
- View of Motion Recording
- View of User Recording

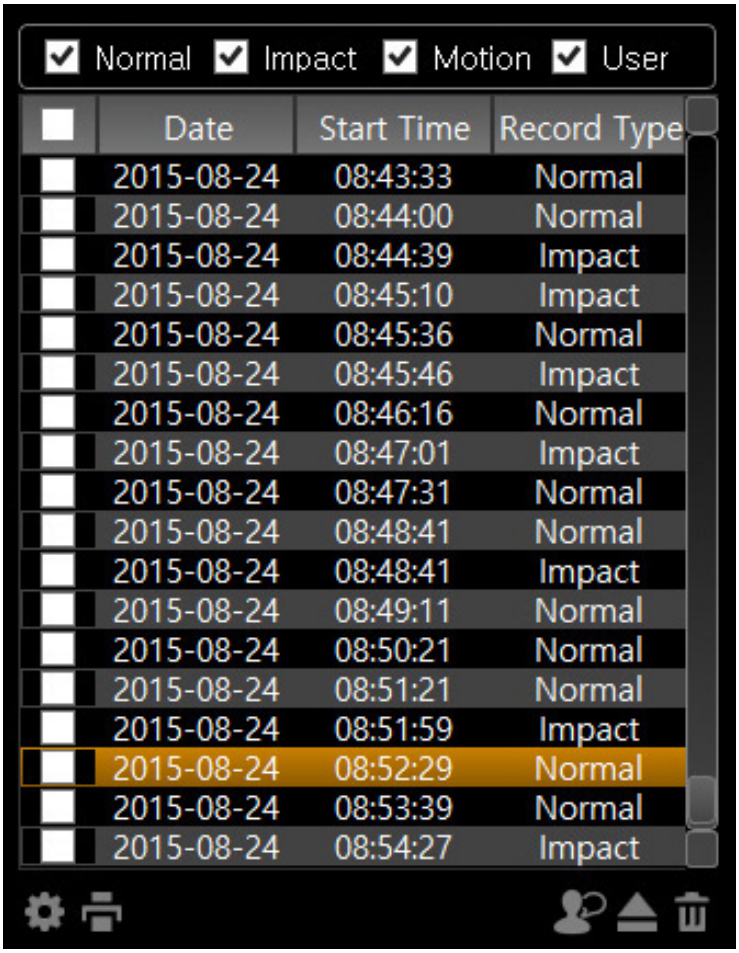
⑥ Play List Window

⑦ Map and Drive Path

⑧ Current Coordinates

3) File Playback/Deletion

① Playing by choosing a recorded video in mobile disk: Double click a file you want to play.
② Deleting a recorded video in mobile disk : You can delete a file by choosing the file. (You want to delete)



4) Change of Screen Mode

① **Full Screen Mode**
Click the button at the top of the viewer to change to the Full Screen Mode.

② **Return to Previous Mode**
Click the button to return the screen to the Previous Mode.

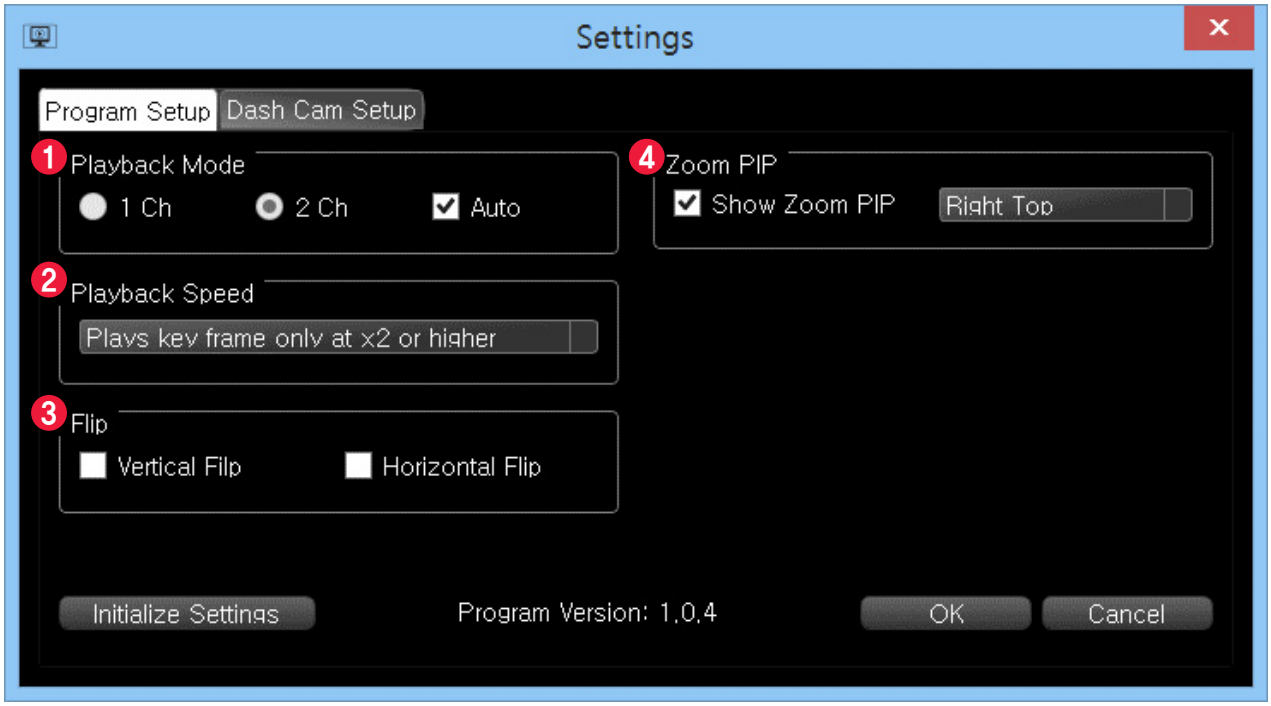
③ **Minimized Mode**
Click the button at the top of the viewr for the Minimized Mode.

④ **Maximized Mode**
Click the button at the top of the viewer for the Maximized Mode.

⑤ **Program End**
Click the button at the top of the viewer to end the PC viewer program.

5) Program Setup

Set values can be changed by clicking the " " button on the main screen of PC Viewer.



① **Playback Mode**
You can set up the playback mode as 1Ch/2Ch/Auto.
If it is set up for Auto, the viewer program will automatically recognize 1Ch / 2Ch.

② **Playback Speed**
If you select All Frames Playback at all times, the program will play back all recorded frames at any playback.

If you select Key Frame Playback at more than 2x speed, the program will play back only I frame which is a key frame among the recorded frames at a playback speed of more than 2x speed.

If you select Key Frame Playback at 4x speed, the program will playback only I frame which is a key frame among the recorded frames at 4x speed playback. (the frame consists of I Frame and P Frame)

Note

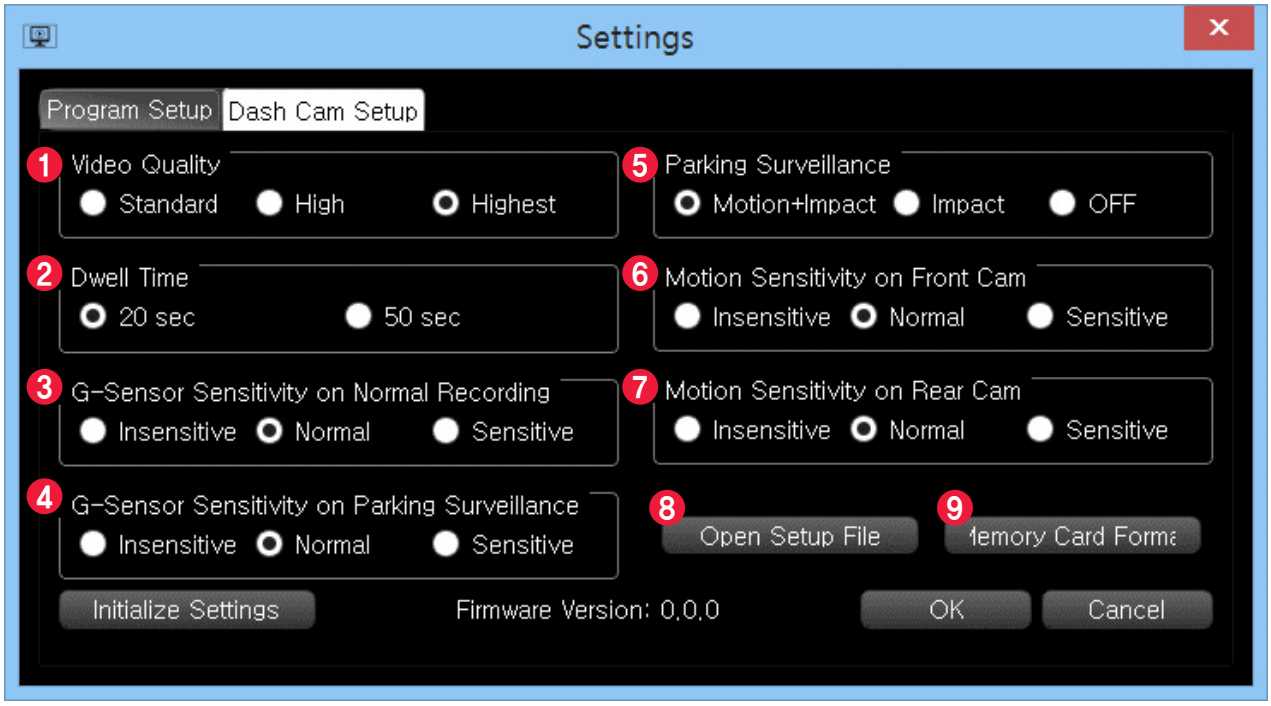
- In case of playing back only a key frame, the program will play back the frame at high speed while palying breaks at an interval of 1 second. This occurs due to the limited performance of a computer, not the problem of the product.

③ **Flip** : This menu sets up the up / down and left / right inversion.

④ **Zoom PIP**
In case of using the video enlargement/reduction, you may assign the place of the enlarged / reduced video to be displayed.
The location of the PIP is on the top right by default, but it can be changed to bottom right, top right, bottom left and top left.

4) Dash Cam Setup

You may change settings by clicking the " " icon on the main screen of the dedicated viewer.
Any changed Dash Cam settings will be saved in a SD card and then, will take effect at next booting of the DashCam.



① **Video Quality :** Video Quality can be set from Standard, High, Highest.

② **Event Record Dwell Time**
You may select the length of video to be recorded after sensing shock or motion by 20 seconds or 50 seconds.

③ **G-Sensor Sensitivity on Normal Recording**
Select the sensitivity on Normal Recording to be Insensitive of Normal or Sensitive.

④ **G-Sensor Sensitivity on Parking Surveillance**
Select the sensitivity on Parking Surveillance to be Insensitive of Normal or Sensitive.

⑤ **Parking Surveillance :** Parking Surveillance can be set from Motion+ Impact, Impact, Off

⑥ **Motion Sensitivity on Front Cam :**
Select the Motion Sensitivity of Front Cam to be Insensitive or Normal or Sensitive.

⑦ **Motion Sensitivity on Rear Cam**
Select the Motion Sensitivity of Rear Cam to be Insensitive or Normal or Sensitive.

⑧ **Open Setup file**
Open setup file is used for applying separately saved configuration files.

⑨ **Memory Card Format :** Delete everything in the microSD™ card and initialized.

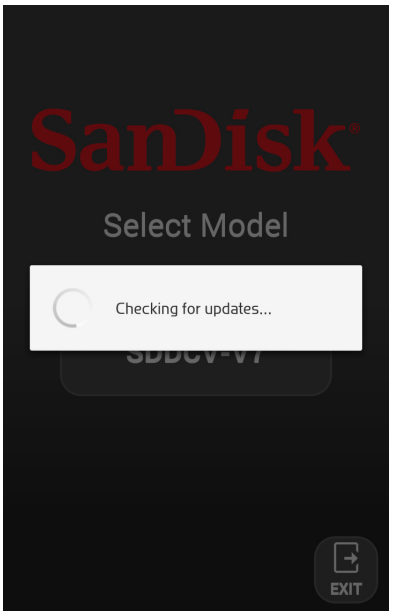
⑩ **Initialize settings**
The Initialize settings of the PC viewer are reset to the Dash Cam default settings.

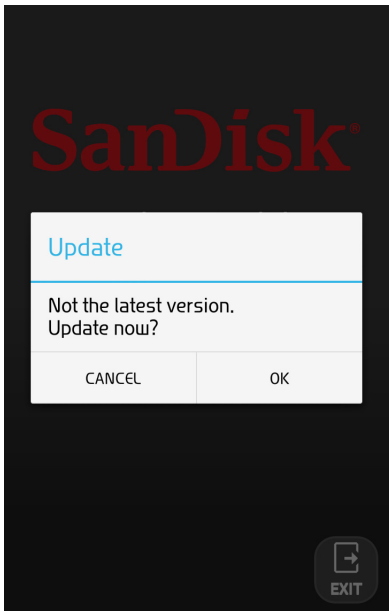
Note

- Changed Dash Cam setting is stored in the microSD™ card is applied at the time of booting of Dash Cam.

1) Automatic Updates

When the viewer program start, it will check whether it is the latest version or not.
If the program is not the latest version, it will display an update alert message. If you want to update, it will move to the relevant page.

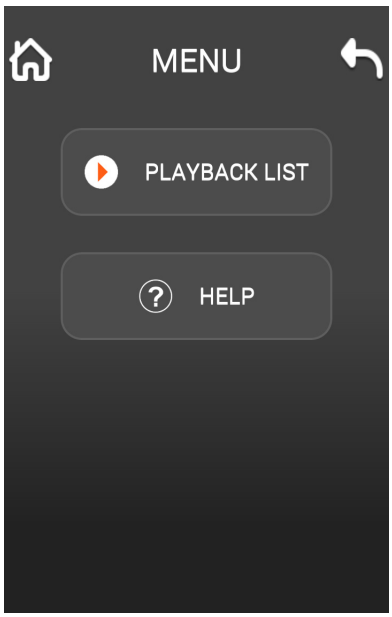




2) Home

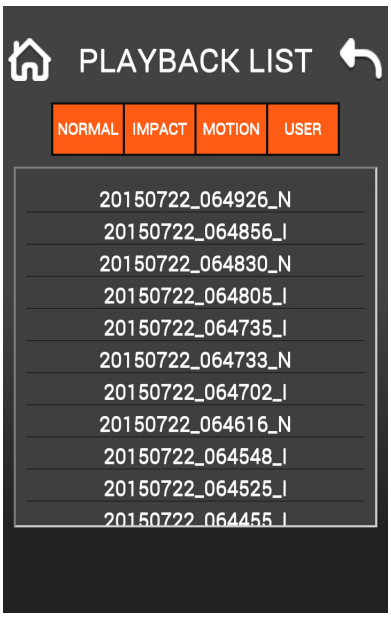
You may move to Menu screen by touching the "Model Name" button on the Home screen of this viewer.

3) Menu



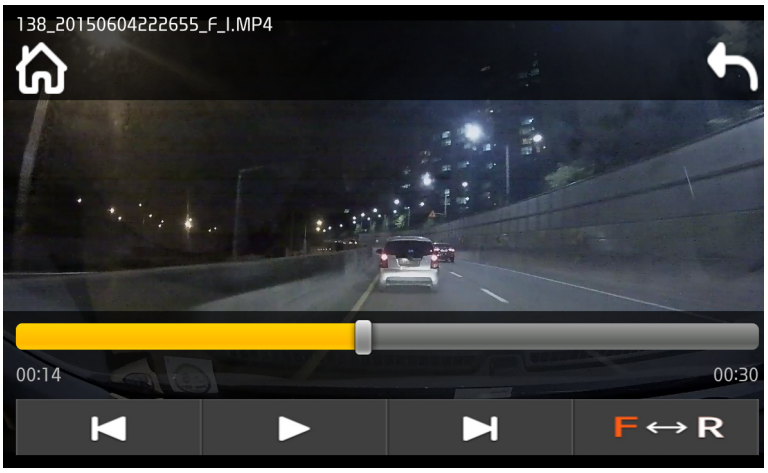
You may move from the menu screen to “LIST” or “HELP”.

4) Playback List



The recording files of the DashCam are divided into Normal, Event, Motion and User Recordings.
You may play back a file by selecting it on the file list.

5) Video Playback



The playback menu pops up when you touch the playback screen.

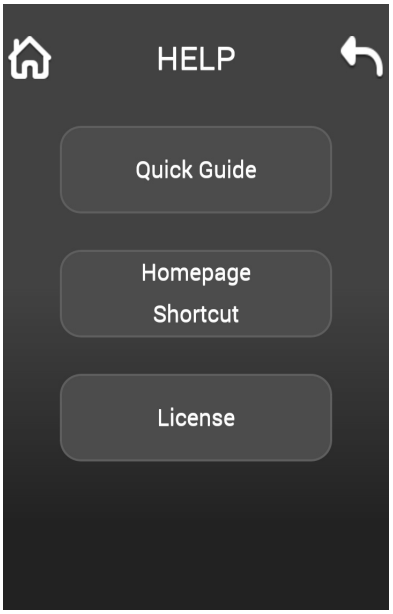
Recording file playback and pause can be available in playback menu.

Previous and next files can be played in playback menu.

Front and rear videos can be exchanged in playback menu.

6) Check the User Manual

You can check the User Manual of the Dash Cam on the Mobile Viewer.
If you select the HELP on the menu screen, you may connect to the Quick Guide page , product website and license.



1) Product Warranty

- This device has been guaranteed pursuant to Fair Trade Commission.
- This device is assist device for safety drive. There is no guarantee damage of breakdown, data, using this device.
- There is no guarantee that video recording/saving of every accident. In case of accident by fine shock, it can be not recorded.
- The device is under warranty for 1 year, the cost under warranty is for free. (Defects that occur during normal use)
- The Part Holding period of this device is 1 year since this device has stopped producing.
- Get the warranty information in the product warranty, Keep product warranty.
  (Warranty can be a standard of pay/not.)
- Even under warranty period, the service fee occur in case of below situation.

Warranty covers

(In the case of failure of the naturally occurring performance and function under normal conditions)

<table>
<tr><th colspan="2" rowspan="2">Customer requests</th><th colspan="2">Contents</th></tr>
<tr><th>under warranty</th><th>after warranty service</th></tr>
<tr><td colspan="2">Request important repair within 10 days of purchase.</td><td>product exchange</td><td rowspan="4">NA</td></tr>
<tr><td colspan="2">Request repair for important part within 1 month of purchase.</td><td>product exchange</td></tr>
<tr><td colspan="2">Request important repair within 1 month of repair.</td><td>product exchange</td></tr>
<tr><td colspan="2">Can't exchange.</td><td>full refund</td></tr>
<tr><td rowspan="3">Repairable</td><td>occur defect</td><td>warranty for free</td><td rowspan="3">warranty at a cost or exchange product at a cost</td></tr>
<tr><td>Problem reoccurs 4 times.
It was repaired 3 times for the same defect.</td><td rowspan="5">product exchange</td></tr>
<tr><td>Problem reoccurs 5 times.
It was repaired 4 times for different parts defect.</td></tr>
<tr><td rowspan="3">Irrepairable</td><td>manufacturer loss the requested product of customer</td><td rowspan="3">exchange product at a cost</td></tr>
<tr><td>Parts for repair Run out.</td></tr>
<tr><td>Irrepairable</td></tr>
</table>

Not Covered

- Defects or damage from resulting use of products in other than it normal and customary manner.
- Defects or damage from natural disaster such as fire, earthquake, storm, flood and so on.
- Defects or damage from falling when user are doing installation by itself or after that.
- Defects or damage from resulting disassemble a product or remodeled product by user or third party.
- In case of that the life of the consumable parts has expired.

Product Warranty

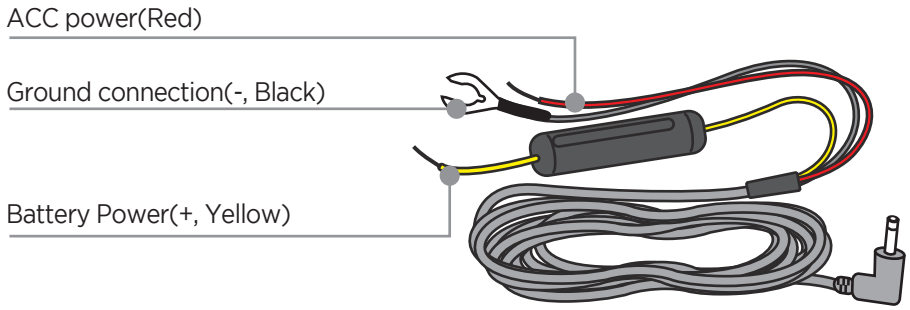
- Main body : 1 year (The date of purchase : check the receipt
  / Without receipt : The date of manufacture + 2 months)
- microSD™ card: Guaranteed for 2 years

2) Check points before Application for A/S

- **Product cannot be powered on**
  - -Please check if power cable is connected to the product
  - -Cigar jack power cable is not included
  - -If product doesn't work after installation, please contact installation shop or manufacturer

- **Product cannot be started**
  - -Please check if genuine car power cable is used
  - -Please check if power button is on
  - -Please check if power LED light is on
  - -Please check if microSD™ card is inserted
  - -Please check if microSD™ card has other data
  - -Please check if microSD™ card is defective

- **Car is discharged due to constant power connection**
  - -Car battery can be discharged if power cable without shut-off function is used
  - -Product is set to shut off the power in 12.0V as default, it can be changed with configuration program
  - -Low volume battery of small sized car can be discharged after parking for long period time
  - -Car cannot be started if outdated battery is used of generator has a problem



⚠ Before requesting A/S

- We are not responsible for any data lost during A/S.
- It is required for users to back up important data by themselves before requesting A/S.

Checkpoints before application for A/S

Check for the problem through the website online, PDF manual(download on the website), simple-manual included package, installation shop, service center.
Most of the times the problem can be solved by going through the User Manual.

Application A/S

(in case of sending a package by delivery service, please send that by specified courier)
Check A/S center on the website (www.sandisk.co.kr/dashcam)
Send a package by safety packing. If not, the product may break.
Please write details for after A/S (Name, Contact number,problems to be fixed, requests, etc.)and enclose it with the product and send them to us.
In the case there is a need for a paid repair, repairs will be offered after the customer is contacted to explain the issues related to the repair.

3) Quality Assurance & Product Warranty

Viwer program Recommended minimum specifications

- CPU : Over Pentium class(recommend over Dual-Core)
- Memory : Recommend over RAM 2GB
- Graphic : Graphic card that available over Direct-X 10
- OS : Over Windows™ 7
- Mobile : Over Android™ 4.0 (unavailable iOS)

Product Inquiries & Customer Support

Website: www.sandisk.co.kr/dashcam

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The microSD mark and logo are trademarks of SD-3C, LLC.
Android™ and Google Play™ are trademarks of Google Inc. Windows™ is a registered trademark of Microsoft Corporation in the United States and/or other countries.

Product Warranty

Warranty period	Within 1 year of purchase	
Purchased date		
Product name		
Customer information	Address	
	Name	
	Tel.	
Seller information	Address	
	Name	
	Tel.	

MSIP-REM-TAD-SDDCVV7
Model name : SDDCV-V7
Website : www.sandisk.co.kr

SanDisk®

www.sandisk.co.kr

Seller : SanDisk Korea Ltd.
Address : 9F Asia Tower, 430 Nonhyeon-ro, Gangnam-gu Seoul 135-719, Korea